

5-in-1 studs finder for

Metal / Voltage / Stud / Measurement / Led illumination



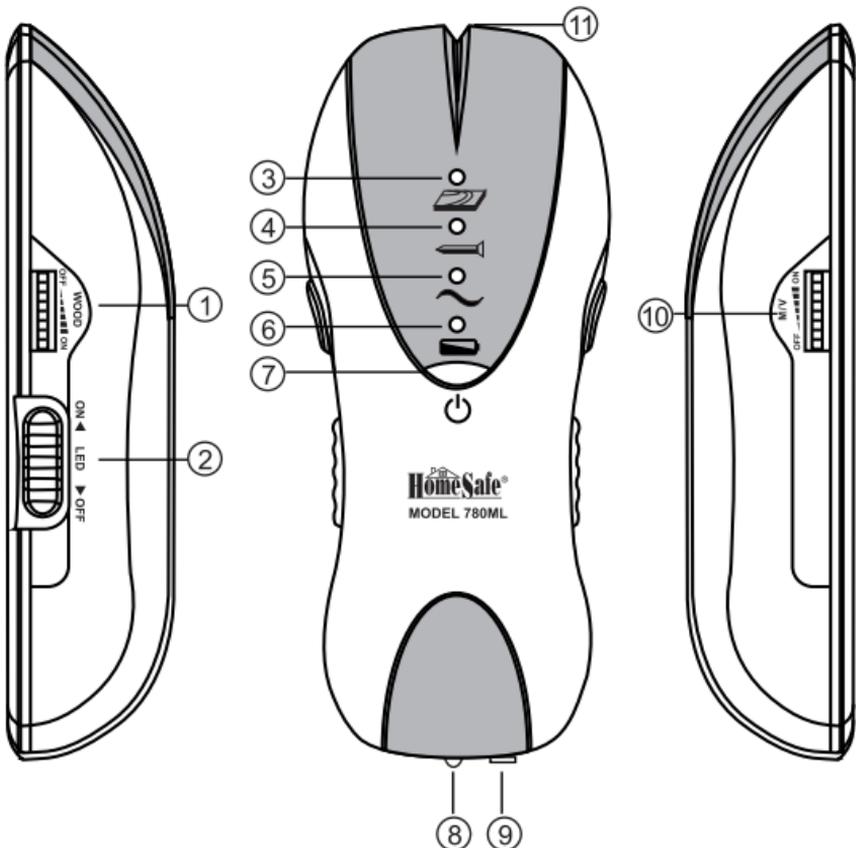
OPERATION INSTRUCTIONS

FEATURES

- Stud/metal/voltage detector
- Power on/off led indicator
- Finds wood stud
- Led indicator and buzzer to eliminate guesswork
- 9V battery operation (not included)
- 1 meter measurement
- Super bright led for illumination.
- Battery low led indicator

COMPONENTS DESCRIPTION

1. WOOD switch and sensitivity adjustor
2. LED light ON/OFF switch
3. Stud pattern indicator LED
4. Metal indicator LED
5. AC voltage indicator LED
6. Battery low indicator LED
7. Power indicator LED
8. LED light
9. Measurement
10. M/V switch and sensitivity adjustor
11. Stud/metal edge groove



BATTERY INSTALLATION

Take out battery cover and install a new 9V battery (not included) into the battery compartment. Replace the battery cover. (fig.1)

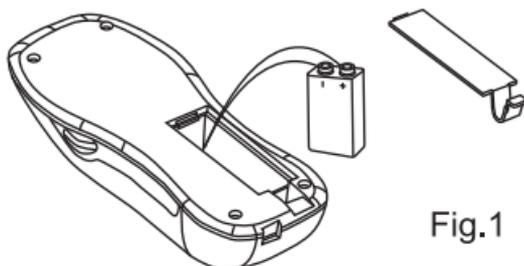


Fig.1

USES AS A METAL DETECTOR

If you use metal detector, please turn off WOOD switch.

1. Pick up the detector, turn M/V switch to ON, the POWER LED will light up, then turn sensitivity adjustor to METAL indicator LED will light and buzzer will sound. Then slowly turn back sensitivity adjustor through to indicator LED exactly not light on. in this mode the detector sensitivity is max. you can turn the adjustor to adjust detect sensitivity.(fig.2)

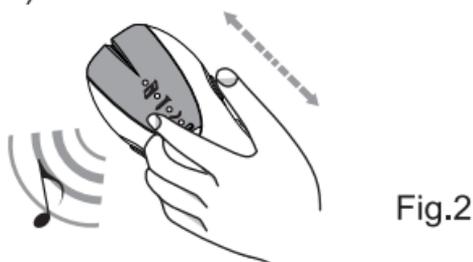


Fig.2

2. use the detector slowly slide unit horizontally across the wall, right or left, when metal is detected, the indicator LED (4) will light up and buzzer will sound continuously. You have located the edge of the metal. Mark this spot. (fig.3)
3. continue scanning beyond the marked spot until the LED go out. Slide unit in reverse direction to locate other edge of stud. Mark this second spot. Middle of metal is centered between the two marks. (fig.4)

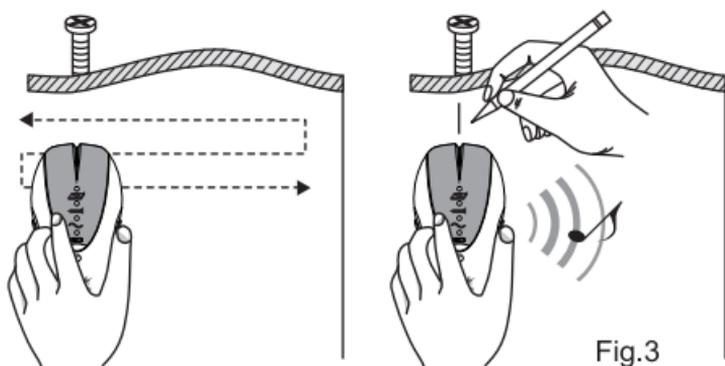


Fig.3

NOTE: metal detect the maximal sensitivity: can detect the PA 3x8mm stud of fix into the wooden goods for 3mm.

USES AS A VOLTAGE DETECTOR

If you use voltage detector, please turn off WOOD switch.

Turn M/V switch to ON, the POWER LED will light up, slowly scan across the surface to be searched. AC voltage indicator (5) LED will light up buzzer sound continuously as the detector gets closer to the "hot" electrical wire.(Fig.5)

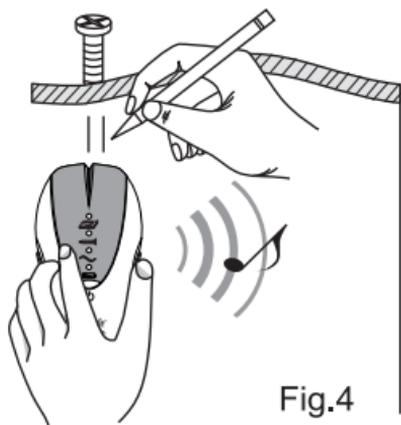


Fig.4

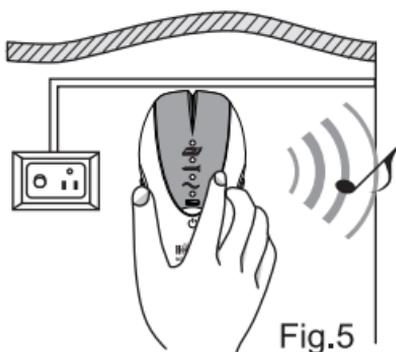


Fig.5

NOTE: AC power detect the maximal sensitive: can detect the AC voltage 110V/60Hz or 220V/50Hz into the 1mm copper wire & 0.6mm pvc wire of distance 10mm.

WARNING:

This detector will not detect AC voltage inside metal conduct, behind metallized walls, or through some thick cross-sections.

The detector has been designed that VOLTAGE DETECTION takes priority over METAL DETECTION, once a "hot" electrical wire is detected, those metal objects near the "hot" electrical wire cannot be detected by the detector. In this case, always turn off AC power before touching the scanned surface again.

When detecting a "hot" electrical wire shielded by a plastic pipe, buzzer sound will beep louder and louder when the detector gets closer to the "hot" electrical wire.

SAFETY

When the detector gives a "NO VOLTAGE" reading (no LED & beeping sound of BUZZER) when touching a conductor, check the unit on a known voltage source BEFORE touching the conductor again.

USE AS STUD DETECTOR

If you use wood detector, please turn off M/V switch.

1. Pick up the detector, turn WOOD switch to ON, the POWER indicator LED will light up, then turn sensitivity adjustor to stud & wooden pattern indicator LED will light up and buzzer will sound. Then slowly turn back sensitivity adjustor through to indicator LED exactly not light on, in this mode the detector sensitivity is max. you can turn the adjustor to adjust detect sensitivity.(fig.6)



Fig.6

2. Use the detector slowly slide unit horizontally across the wall, right or left, when stud and wooden pattern is detected, the stud indicator LED will light up and buzzer will sound continuously. You have located the edge of the stud. Mark this spot. (fig.7)

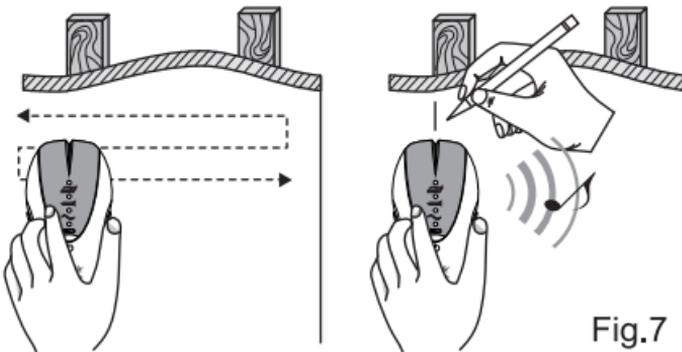


Fig.7

3. Continue scanning beyond the marked spot until the LED go out. Slide unit in reverse direction to locate other edge of stud. Mark this second spot. Middle of stud is centered between the two marks. (fig.8)

In order to identify it is a wood stud or metal stud, scan the same position again by using the METAL DETECTION method. If the stud is metal, the "METAL indicator" LED will light up and sound continuously, otherwise, it is a wood stud.

CAUTION:

Depending on the proximity of electrical wiring or pipes to the wall surface, the detector may detect them in the same manner as studs. Caution should always be used when nailing, cutting or drilling in the surface that may contain these items.

NOTE: wood detect the maximal sensitive: can detect the 35mmx25mm wood of distance 12mm.

USE AS MEASUREMENT

You can use the measurement to measure length, the measurement up to maximum 92 cm. (Fig.9)

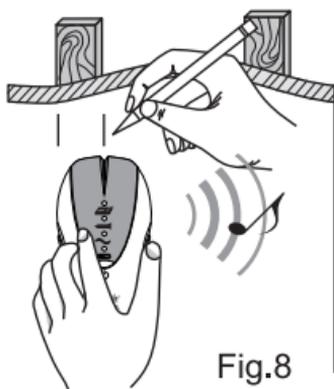


Fig.8

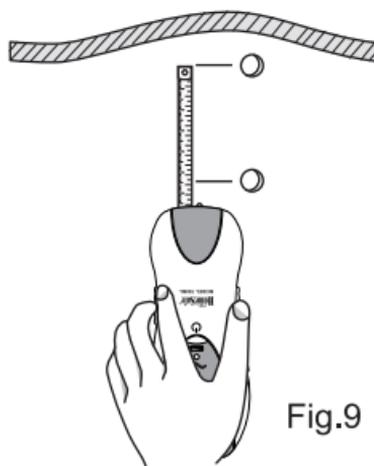


Fig.9

USE AS LED LIGHT

You can slide LED switch to turn the super bright LED ON or OFF.(Fig.10)

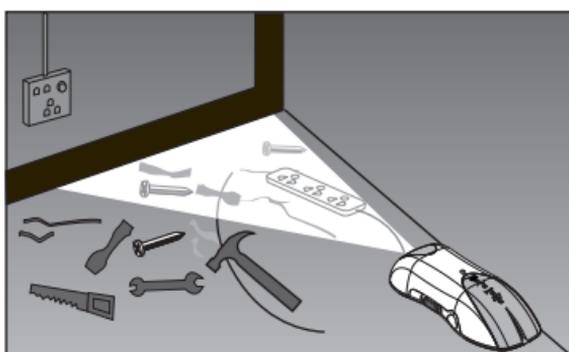


Fig.10

LOW BATTERY INDICATOR



When battery runs low, the RED LED with low battery indicator picture will light up, please change a fresh battery. (9 Volts alkaline type recommended)

WARNING

- The detector cannot be used as a depth gauge.
- The detector will not detect water pipes and gas pipes shielded by metal materials, it may detect them in the same manner as "METAL" only.
- The detector is not suitable for use on objects insulated with foil.
- Sensing depth and edge detection can vary due to moisture content of materials, wall texture, paint, etc.

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